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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Graupner et al.	Examiner:	Unassigned
Serial No.:	10/044,882	Group Art Unit:	Unknown
Filed:	October 26, 2001	Docket No.:	10010928-1
Title:	REPRESENTING CAPACITIES AND DEMAND IN A LAYERED COMPUTING ENVIRONMENT USING NORMALIZED VALUES		

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the papers, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on April 23, 2002.

By: Erin M. Nichols

Erin M. Nichols

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

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With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted either within three months of the filing date or before the first Office Action of the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. § 1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

Please note that any notations or markings on the attached documents do not reflect particular relevance, or lack thereof, to the present application, nor were they necessarily made by anyone affiliated with the prosecution of the present application.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to

establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

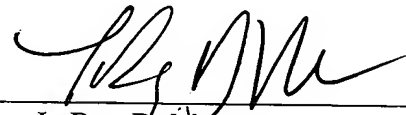
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Respectfully submitted,

Crawford PLLC
1270 Northland Drive
Suite 390
St. Paul, MN 55120
651/686-6633

Dated: April 23, 2002

By: _____



LeRoy D. Maunu
Reg. No. 35,274

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*Substitute Disclosure Statement Form (PTO-1449) Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE